

Soil Survey Evaluation Worksheet – Caledonia County, VT

Date – January 28, 2002

1. Introduction – Caledonia County is located in the northeast part of the state. It is bordered on the southeast corner by the Connecticut River. The soil mapping is currently underway.

2. General Information

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|-------------------------------------------------|----------|
| A. STSSAID | VT005 |
| B. Acres (from NRI) | |
| Total land acres in the survey area | 417,000 |
| Total census water in the survey area | 4,200 |
| Total Surface area | 421,200 |
| Approximate acres within MLRA 143 (as of 1996) | 39,400 |
| Approximate acres within MLRA 144B (as of 1996) | 381,800 |
| C. Correlation date | |
| D. Correlation Amendment Dates | |
| First | |
| Second | |
| Third | |
| Fourth | |
| E. Publication date | |
| F. Publication scale | 1:20,000 |
| G. Photobase | |
| H. Mapping order | 2 |
| I. Field Mapping | |
| Started | 1988 |
| Completed | |
| J. Date survey digitized | |
| K. Photobase | |
| L. Digitizing Scale | 1:20,000 |
| M. SSURGO Scale | 1:24,000 |
| N. Date of SSURGO Certification | |
| O. Current Status | Project |

3. Quality of Existing Survey

A. Soil Maps –

This is an ongoing initial soil survey. The mapping quality meets current standards.

B. Map unit names and descriptions –

The map unit names and descriptions meet current standards. Field reviews are held each year to correlate map units and Taxonomic units. Correlations have been made from a regional approach since 1990.

In 2000, the concept of correlation by MLRA was approved for the Caledonia, Essex, and Orleans County soil surveys. Taxonomic units and map units will be correlated by MLRA from the Northeast Kingdom Legend in NASIS.

C. Interpretations –

Interpretations are available through NASIS attribute data, which is available through in the soil survey office. In 2002, interpretations will be available to the field office through soil data viewer and soil fact sheets.

The following interpretations are available in section II of the Field Office Technical Guide: Agricultural Value Groups, Critical LS Factors, Forest Value Groups, HEL Ratings, Hydric Soil Legend, On-site

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Sewerage Disposal Ratings, Pesticide Leaching Index, Pesticide Loss Potential, Prime Farmland – USDA, Primary Agricultural Soils – Act 250. Some of this information is available on the NRCS Vermont soils website.

D. Digital Information – The Sleepers River Watershed has been digitized with quality control by NRCS.

E. Correlation Document - None

F. Soil Attribute Database –

The NASIS database for the ongoing survey is available. This data will be downloaded into Customer Tool Kit in 2002 and will be available to customers through Soil Data Viewer.

Soil data is also available on the soil survey website and on the soil fact sheets.

4. Official Copy of the Survey – Soil survey field sheets, NASIS soils data and FOTG Section II comprise the official soil survey.

5. Plans to Complete the Survey

A. Mapping Needs – Mapping is scheduled to be completed in 2004.

B. Additional Data/Interpretations Needed by Users - None

C. Laboratory Support Needed – Classification of superspodic soils.

D. Digitizing – The survey will be digitized after the mapping is completed.

6. Staff and Budget needs to complete the soil survey

A. Estimated staff years to complete:

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|----------------------|------|
| Soil Mapping | 7.0 |
| Interpretations | 1.0 |
| Investigations | 1.0 |
| Manuscript | 3.0 |
| SSURGO Certification | 2.0 |
| Total Staff Years | 14.0 |

B. Support Needed from other disciplines -

C. Support currently available – The state contributes \$100,000 toward the completion of the mapping in Caledonia and Essex Counties.